

Applicants: KAIDAR, Oren, et al.
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the Application. Please amend the claims to read as follows and cancel without prejudice or disclaimer the claims marked as canceled:

1. **(Currently Amended)** A method comprising:
scanning a channel;
receiving a packet on the channel ~~packets on a wireless network;~~
determining if the received packet is an informational packet;
joining a wireless network associated with the received packet if the received packet is an informational packet;
determining information regarding the channel from the received packet if the received packet is not an informational packet ~~packets information regarding a channel;~~ and
switching to a different channel for scanning if said information indicates the channel is not desirable, ~~before an informational packet is received, switching to a different channel for scanning.~~
2. **(Original)** The method of claim 1, comprising, if a factor passes a threshold, determining the channel is not desirable.
3. **(Original)** The method of claim 1, comprising determining if the number of retries for the channel is above a threshold.
4. **(Original)** The method of claim 1, comprising determining if the percent of time the channel is busy is above a threshold.
5. **(Original)** The method of claim 1, comprising determining if the number of active stations using the channel is above a threshold.
6. **(Original)** The method of claim 1, comprising determining if the strength of a signal on the channel is below a threshold.
7. **(Original)** The method of claim 1 comprising, if an informational packet is received, transmitting a request to join.
8. **(Currently Amended)** A wireless communication device comprising:

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a controller to:

scan a channel;

receive a packet on the channel;

determine if the received packet is an informational packet and join a wireless network associated with the received packet if the received packet is an informational packet and determine information regarding the channel from the received packet if the received packet is not an informational packet; and
switch to a different channel for scanning if said information indicates the channel is not desirable.

~~a controller to passively scan a channel on a wireless network to receive packets;~~
~~the controller to determine from the received packets information regarding the channel; and~~
~~wherein said controller is, if said information indicates the channel is not desirable,~~
~~to switch to a different channel for scanning before an informational packet is received.~~

9. (Original) The device of claim 8, wherein the informational packet is a beacon packet or probe response.
10. (Original) The device of claim 8, wherein the channel is a communications channel with an access point, the access point providing a connection to a network.
11. (Original) The device of claim 8, wherein the controller is to, if a factor passes a threshold, determine the channel is not desirable.
12. (Original) The device of claim 8, wherein the controller is to determine if the number of retries for the channel is above a threshold.
13. (Original) The device of claim 8, wherein the controller is to determine if the percent of time the channel is busy is above a threshold.
14. (Original) The device of claim 8, wherein the controller is to determine if the number of active stations using the channel is above a threshold.
15. (Original) The device of claim 8, wherein the controller is to determine if the strength of a signal on the channel is below a threshold.

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16. **(Original)** The device of claim 8, wherein the controller is to, if an informational packet is received, transmit a request to join.
17. **(Currently Amended)** A wireless communication device comprising:
a dipole antenna;
a controller to:
scan a channel;
receive a packet on the channel;
determine if the received packet is an informational packet and join a wireless network associated with the received packet if the received packet is an informational packet and determine information regarding the channel from the received packet if the received packet is not an informational packet; and
switch to a different channel for scanning if said information indicates the channel is not desirable.
~~a controller to passively scan a channel on a wireless network to receive packets;~~
~~the controller to determine from the received packets information regarding the channel; and~~
~~wherein said controller is, if said information indicates the channel is not desirable, to switch to a different channel for scanning before an informational packet is received.~~
18. **(Original)** The system of claim 17, wherein the controller is to, if a factor passes a threshold, determine the channel is not desirable.
19. **(Original)** The system of claim 17, wherein the informational packet is a beacon packet or probe response.
20. **(Currently Amended)** A wireless communication system comprising:
an access point; and
a communications device ~~including at least~~ comprising:
a controller to:
scan a channel;
receive a packet on the channel;

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determine if the received packet is an informational packet and join a wireless network associated with the received packet if the received packet is an informational packet and determine information regarding the channel from the received packet if the received packet is not an informational packet; and

switch to a different channel for scanning if said information indicates the channel is not desirable.

~~a controller to passively scan a channel corresponding to the access point to receive packets;~~

~~the controller to determine from the received packets information regarding the channel; and~~

~~wherein said controller is, if said information indicates the channel is not desirable, to switch to a different channel for scanning before an informational packet is received.~~

21. (Original) The system of claim 20, wherein the informational packet is a beacon packet or probe response.
22. (Original) The system of claim 20, wherein the controller is to, if a factor passes a threshold, determine the channel is not desirable.
23. (Currently Amended) ~~An article comprising a~~ A computer-readable storage medium having stored therein instructions that when executed by a computing platform result in at least:

scanning a channel;

receiving a packet on the channel;

determining if the received packet is an informational packet;

joining a wireless network associated with the received packet if the received packet is an informational packet;

determining information regarding the channel from the received packet if the received packet is not an informational packet; and

switching to a different channel for scanning if said information indicates the channel is not desirable.

~~packets being received from a wireless network;~~

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~~determining from the received packets information regarding a channel; and
if said information indicates the channel is not desirable, before an informational
packet is received, switching to a different channel for scanning.~~

24. (Currently Amended) The article computer-readable storage medium of claim 23, wherein the instructions when executed by a computing platform result in at least, if a factor passes a threshold, determining the channel is not desirable.
25. (Currently Amended) The article computer-readable storage medium of claim 23, wherein the instructions when executed by a computing platform result in at least determining if the number of retries for the channel is above a threshold.
26. (Canceled)
27. (Canceled)
28. (Canceled)